

From: [Isbell, Diane](#) on behalf of [OPPDeviceDeterminations](#)
To: [Di Salvo, Paul](#); [OPPDeviceDeterminations](#)
Subject: FW: New scientific data on salt based mosquito control devices
Date: Monday, October 26, 2020 7:17:00 PM

FYI

Diane Isbell
Ombudsman/Senior Advisor
Antimicrobials Division
Office of Pesticide Programs
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www.epa.gov/pesticides

From: Glynn, Tara <Glynn.Tara@epa.gov>
Sent: Friday, October 23, 2020 12:35 PM
To: OPPDeviceDeterminations <OPPDeviceDeterminations@epa.gov>
Subject: FW: New scientific data on salt based mosquito control devices

Not really sure what to do with this information. I figured I would pass it on as a FYI...

From: Conti, Trish <Trish.Conti@dep.nj.gov>
Sent: Friday, October 23, 2020 12:06 PM
To: Reilly, Ed <Ed.Reilly@dep.nj.gov>; Potter, Michele <Michele.Potter@dep.nj.gov>
Cc: Glynn, Tara <Glynn.Tara@epa.gov>
Subject: FW: New scientific data on salt based mosquito control devices

Not sure what, if anything, would need any follow up. I suspect EPS would have to chime in. I copied our primary EPA contact, Tara Glynn, in the event this is important to EPA.

From: Donald Yee <Donald.Yee@usm.edu>
Sent: Thursday, October 22, 2020 11:34 AM
Subject: [EXTERNAL] New scientific data on salt based mosquito control devices

Greetings,
My name is Don Yee and I am a professor at the University of Southern Mississippi. A group of fellow mosquito researchers and myself have just published a study in the Journal of Medical Entomology on the efficacy of salt-based mosquito control devices. These devices include the Spartan Mosquito Eradicator (Act2 Inc. Hattiesburg, MS), the Mosquito XT (King Marketing, Paragould, AK), the Skeeter Eater (Copia Products, Memphis, TN), Mosquito Dynamite (Vic West Brands, Austin, Texas), and Donaldson Farms – Mosquito Eliminator (Chattanooga, TN).

All these devices claim that salt ingestion can kill mosquitoes however until now there was no scientific efficacy data to support those claims. Our work, conducted across 5 research lab and including 9 species of common medically important mosquitoes conclude that salt ingestion does not kill adult mosquitoes, and thus there is likely no basis for any of the

claims made by these companies. As you are involved in regulation of mosquito control devices for your state we thought that this work was important to share.

You can access a free open access copy of the paper here:

[https://academic.oup.com/jme/advance-article/doi/10.1093/jme/tja214/5921702?
guestAccessKey=f5e37735-068a-4440-bcb5-a9accf90e0ea](https://academic.oup.com/jme/advance-article/doi/10.1093/jme/tja214/5921702?guestAccessKey=f5e37735-068a-4440-bcb5-a9accf90e0ea)

There is also a press release issued by the Entomological Society of America here:

https://eurekalert.org/pub_releases/2020-10/esoa-smp101320.php

If you have any questions please feel free to contact me.

Have a good day,

Don...

Donald A. Yee, Ph.D.

Board Certified Entomologist in Medical Entomology

Subject Editor, Journal of Medical Entomology

Yee Mosquito Lab

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